Index of Claims

| App | lication | No |
|-----|----------|----|
|     |          |    |

09/651,620

Examiner

Applicant(s)

EUGENE P. MARSH

modification than,

Art Unit

2811

√ Rejected
= Allowed

(Through numeral)
 Cancelled

Restricted

Non-Elected
I Interference

Hung K. Vu

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| Cla      | im  | <u> </u>     |  |              | [        | Date   | -        | ,  | _          |           |
| Final    | Original  | 4/19/04      |  |              |          |  |          |  |            |           |
|          | 1 2 3   |              |  |              |          |  |          |  |            |           |
|          | 2   |              |  |              |          |  |          |  |            |           |
|          | 3   |              |  |              |          |  |          |  |            |           |
|          | 4<br>5  |              |  |              |          |  |          |  |            |           |
| <u></u>  | 5   |              |  |              |          |  |          |  |            |           |
|          | 6<br>7  |              |  |              |          |  |          |  |            | Ш         |
| <u> </u> | 7   |              |  |              |          |  |          |  |            | Ш         |
| <u> </u> | 8   | $\vdash$     |  | _            |          | _  |          |  |            |           |
| $\vdash$ | 40  | 1            |  | -            |          | -  | _        | H  | _          | $\vdash$  |
| -        | 10  | ×            | -  | _            | -        | $\vdash$   |          | -  | _          | H         |
|          | 12  | 片            | -  |              | -        | H  |          | $\vdash$   |            | Н         |
| <b>—</b> | 13  | 5            | -  | $\vdash$     | $\vdash$ | $\vdash$   | Н        | $\vdash$   | $\vdash$   | $\dashv$  |
|          | 14  | Ĭ            | H  | H            | Н        | $\vdash$   | $\vdash$ | $\vdash$   | H          | $\vdash$  |
|          | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | 000          |  | Н            | H        | $\vdash$   | П        | $\vdash$   | $\vdash$   | H         |
|          | 16  | √            |  |              |          |  |          |  |            | П         |
|          | 17  | 1            |  |              |          |  |          |  |            | П         |
|          | 18  | 1            |  |              |          |  |          |  |            |           |
|          | 19  | 1            |  |              |          |  |          |  |            | Ш         |
| <u></u>  | 20  | √            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Ш            | L        |  |          | <u> </u>   | <u>_</u> . | Ш         |
| <u> </u> | 21  |              | <u> </u>   | _            | ļ        | _  |          | _  | _          | Ш         |
|          | 22  |              | <u> </u>   | _            | ļ_       | <u> </u>   |          | -  |            | Н         |
|          | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27            |              | ⊢  | -            | _        |  | _        | -  |            | Н         |
| $\vdash$ | 25  | ⊢            | $\vdash$   | -            | ⊢        | -  | -        | -  |            | H         |
| $\vdash$ | 26  |              | H  |              | ┢        | $\vdash$   | -        |  |            | Н         |
|          | 27  |              | $\vdash$   | ┢            | -        | -  | $\vdash$ | $\vdash$   | $\vdash$   | Н         |
|          | 28  | 一            | $\vdash$   | $\vdash$     | $\vdash$ |  |          |  |            | П         |
|          | 28<br>29  |              |  |              |          |  |          |  |            | П         |
|          | 30<br>31  |              |  |              |          |  |          |  |            |           |
|          | 31  | L            |  |              | _        |  |          |  |            | Ш         |
| <u></u>  | 32  | <u> </u>     | <u> </u>   |              | _        |  | _        | $\vdash$   | L          | Ш         |
| <u> </u> | 33  | <b> </b>     | L  | <u> </u>     | _        | <u> </u>   | _        | <u> </u>   | _          | $\vdash$  |
| <u> </u> | 34  | -            | ⊢  | ⊢            | $\vdash$ | $\vdash$   | ├        | <u> </u>   | $\vdash$   | $\vdash$  |
| <u> </u> | 35  | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | ⊢  | -        | $\vdash$   | $\vdash$   | H         |
|          | 35<br>36<br>37  | $\vdash$     | $\vdash$   | $\vdash$     | ┝        |  | $\vdash$ | $\vdash$   | -          | H         |
| $\vdash$ | 38  | <u> </u>     | <del>                                     </del> | <del> </del> |          | 一  | $\vdash$ | <del>                                     </del> | $\vdash$   | H         |
|          | 38<br>39  |              | Г  |              | Г        | H  |          |  |            | H         |
|          | 40  | Г            | Г  | Г            |          |  |          |  | Г          |           |
|          | 41  |              |  |              |          |  |          |  |            |           |
|          | 42  |              |  |              |          |  |          |  |            |           |
|          | 43  | $\vdash$     | <u> </u>   | L            | _        | _  | L        | <u> </u>   | L          | Ш         |
| <u></u>  | 44  | <u> </u>     | _  | Ь            | <u> </u> | <u> </u>   | _        | _  | L          | Щ         |
| <u> </u> | 45  | <u> </u>     | <u> </u>   | _            | $\vdash$ | -  | $\vdash$ | <u> </u>   | $\vdash$   | $\square$ |
| -        | 46  | -            | ├-   | _            | -        | $\vdash$   | -        | <u> </u>   | $\vdash$   | H         |
| -        | 47  | <del> </del> | -  | -            | ├-       | <del>                                     </del> | -        | ├-   | -          | H         |
| -        | 48<br>49  | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | <del> </del>                                     |          | $\vdash$   | ⊢          | Н         |
| $\vdash$ | 50  | -            |  | $\vdash$     | -        |  | ┝        | <del> </del>                                     | -          | Н         |
|          | 1 30  | _            | Щ  | L            | L        | <u> </u>   | L        | <u> </u>   | Ц.,        | Ш         |

| EE         50         64         1 | Cla | im  |              |                                     |          |          | Date     | •                              |                    |   |        |
|--|-----|-----|--------------|-------------------------------------|----------|----------|----------|--------------------------------|--------------------|---|--------|
| 51       52       3  |     |     |              |                                     |          |          |          |                                |                    |   |        |
| 51       52       3  | a   | ina | 5            |                                     |          |          |          |                                |                    |   |        |
| 51       52       3  | Fi  | rj  | 13           |                                     |          |          |          |                                |                    |   |        |
| 54       55         56       57         58       59         60       =         61       =         62       =         63       =         64       =         65       =         66       =         67       =         68       =         69       -         70       -         71       -         72       -         73       -         74       -         75       -         76       -         77       -         78       -         79       -         80       -         81       -         82       -         83       -         84       -         85       -         86       -         87       -         88       -         89       -         90       -         91       -         92       -         93       -         96   |     | 0   | 4            |                                     |          |          |          |                                |                    |   |        |
| 54       55         56       57         58       59         60       =         61       =         62       =         63       =         64       =         65       =         66       =         67       =         68       =         69       -         70       -         71       -         72       -         73       -         74       -         75       -         76       -         77       -         78       -         79       -         80       -         81       -         82       -         83       -         84       -         85       -         86       -         87       -         88       -         89       -         90       -         91       -         92       -         93       -         96   |     | 51  |              |                                     | -        |          |          |                                |                    |   |        |
| 54       55         56       57         58       59         60       =         61       =         62       =         63       =         64       =         65       =         66       =         67       =         68       =         69       -         70       -         71       -         72       -         73       -         74       -         75       -         76       -         77       -         78       -         79       -         80       -         81       -         82       -         83       -         84       -         85       -         86       -         87       -         88       -         89       -         90       -         91       -         92       -         93       -         96   |     | 52  |              |                                     |          |          |          |                                |                    |   |        |
| 54       55         56       57         58       59         60       =         61       =         62       =         63       =         64       =         65       =         66       =         67       =         68       =         69       -         70       -         71       -         72       -         73       -         74       -         75       -         76       -         77       -         78       -         79       -         80       -         81       -         82       -         83       -         84       -         85       -         86       -         87       -         88       -         89       -         90       -         91       -         92       -         93       -         96   |     | 53  |              | -                                   |          |          |          |                                |                    | _   |        |
| 56       57         58       39         60       60         61       62         63       63         64       65         66       66         67       68         69       70         71       72         73       74         75       76         77       78         79       80         81       82         83       84         85       86         87       88         89       90         91       92         93       94         95       96         97       98         99       99  |     | 54  |              |                                     |          |          |          |                                |                    |   |        |
| 56       57         58       39         60       60         61       62         63       63         64       65         66       66         67       68         69       70         71       72         73       74         75       76         77       78         79       80         81       82         83       84         85       86         87       88         89       90         91       92         93       94         95       96         97       98         99       99  |     | 55  |              |                                     |          |          |          |                                |                    |   |        |
| 57   |     | 56  |              |                                     |          |          |          |                                |                    |   |        |
| 60 = 61 = 62 = 63 = 64 = 65 = 66 = 67  |     | 57  |              |                                     |          |          |          |                                |                    |   |        |
| 60 = 61 = 62 = 63 = 64 = 65 = 66 = 67  |     | 58  |              |                                     |          |          |          |                                |                    |   |        |
| 60 = 61 = 62 = 63 = 64 = 65 = 66 = 67  |     | 59  | =            |                                     |          |          |          |                                |                    |   |        |
| 61 =   |     | 60  | =            |                                     |          |          |          |                                |                    |   |        |
| 62 =   |     | 61  | =            |                                     |          |          |          |                                |                    |   |        |
| 63 =   |     | 62  | =            |                                     |          |          |          |                                |                    |   |        |
| 64 =   |     | 63  | =            |                                     |          |          |          |                                |                    |   |        |
| 65 =   |     | 64  | =            |                                     | Г        |          |          |                                |                    |   |        |
| 67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |     | 65  | =            | Г                                   | Г        | П        |          |                                |                    | Г   |        |
| 67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |     | 66  | =            | Г                                   | Г        |          |          |                                |                    |   |        |
| 68 69 70 70 71 71 72 73 73 74 75 75 76 76 77 78 78 79 80 81 82 83 84 85 86 87 87 88 89 90 91 91 92 93 99 99 91 99 91 99 99 99 99 99 99 99 99   |     | 67  |              | Ī                                   | Г        | П        |          |                                |                    |   |        |
| 70   |     | 68  |              |                                     |          |          |          |                                |                    |   |        |
| 70   |     | 69  |              |                                     |          |          |          |                                |                    |   |        |
| 71   |     | 70  |              |                                     |          |          |          |                                |                    |   |        |
| 73   |     | 71  |              |                                     |          |          |          |                                |                    |   |        |
| 73   |     | 72  |              |                                     |          |          |          |                                |                    |   |        |
| 76   |     | 73  |              |                                     |          |          |          |                                |                    |   |        |
| 76   |     | 74  |              |                                     |          |          |          |                                |                    |   |        |
| 76   |     | 75  |              |                                     |          |          |          |                                |                    |   |        |
| 78   |     | 76  | Г            |                                     |          |          | Г        |                                |                    |   |        |
| 78   |     | 77  |              |                                     |          |          |          |                                |                    |   |        |
| 80 81 82 83 84 84 85 86 87 88 88 89 90 90 91 92 93 93 94 94 95 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99  |     | 78  |              |                                     |          |          |          |                                |                    |   |        |
| 80 81 82 83 84 84 85 86 87 88 88 89 90 90 91 92 93 93 94 94 95 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99  |     | 79  |              |                                     |          |          |          |                                |                    |   |        |
| 83 84 85 86 87 87 88 89 90 91 91 92 93 93 94 95 96 97 98 99 99 99  |     | 80  |              |                                     |          |          |          |                                |                    |   |        |
| 83 84 85 86 87 87 88 89 90 91 91 92 93 93 94 95 96 97 98 99 99 99  |     | 81  |              |                                     |          |          |          |                                |                    |   |        |
| 83 84 85 86 87 87 88 89 90 91 91 92 93 93 94 95 96 97 98 99 99 99  |     | 82  |              |                                     |          |          |          |                                |                    |   |        |
| 86 87 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99  |     | 83  |              |                                     |          |          |          |                                |                    |   |        |
| 86 87 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99  |     | 84  |              | L                                   |          |          |          |                                |                    |   |        |
| 86 87 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99  |     | 85  |              |                                     |          |          |          |                                |                    |   |        |
| 88 89 90 90 91 91 92 92 93 94 95 96 97 98 99 99 99   |     | 86  |              |                                     |          |          |          |                                |                    |   |        |
| 88 89 90 90 91 91 92 92 93 94 95 96 97 98 99 99 99   |     | 87  |              |                                     |          |          |          |                                |                    |   |        |
| 90 91 91 92 92 93 94 95 96 97 98 99 99 99 9  |     | 88  |              |                                     |          |          |          |                                |                    | $ldsymbol{ld}}}}}}}}}$ |        |
| 91 92 92 93 94 95 96 97 98 99 99 9   |     | 89  |              |                                     |          |          |          |                                |                    |   |        |
| 92   |     |     | L            | L                                   | _        | <u> </u> | <u> </u> | $oxedsymbol{oxedsymbol{oxed}}$ | _                  |   |        |
| 93<br>94<br>95<br>96<br>97<br>98<br>99   |     |     | <u> </u>     | <u> </u>                            | <u>_</u> | <u>_</u> | _        | <u>_</u>                       |                    |   | لــــا |
| 93<br>94<br>95<br>96<br>97<br>98<br>99   |     | 92  | $oxed{\Box}$ | L                                   | L        | <u> </u> | _        | _                              | $oxedsymbol{oxed}$ | <u> </u>  | $\Box$ |
| 95   |     | 93  | <u>L</u>     | L.                                  |          | _        |          |                                | <u> </u>           | <u> </u>  | Ш      |
| 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99   |     |     | L.           | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | L.       |          | L                              | <u> </u>           | $ldsymbol{ld}}}}}}$  |        |
| 97<br>98<br>99   |     |     |              |                                     |          |          |          |                                | <u> </u>           |   |        |
| 98 99  |     |     |              |                                     | L        |          |          |                                |                    |   |        |
| 99   |     |     |              |                                     | $\Box$   |          |          |                                |                    |   |        |
|  |     |     |              |                                     |          |          |          |                                |                    |   |        |
| 100  |     |     | 匚            | 匚                                   | 匚        | 匚        |          | 匚                              | Ĺ                  | L   |        |
|  |     | 100 | L            |                                     | L        |          |          |                                |                    |   |        |

| CI       | aim        | Date     |  |  |  |  |  |              |          |  |
|----------|------------|----------|--|--|--|--|--|--------------|----------|--|
| Final    | Original   |          |  |  |  |  |  |              |          |  |
|          | 101        |          |  |  |  |  |  |              |          |  |
|          | 102        | 1        |  |  |  |  |  |              |          |  |
|          | 103        |          |  |  |  |  |  |              |          |  |
|          | 104        |          |  |  |  |  |  |              |          |  |
|          | 105        |          |  |  |  |  |  |              |          |  |
|          | 106        |          |  |  |  |  |  |              |          |  |
| _        | 107        |          |  | _  | _  | _  | $\vdash$   |              |          |  |
| $\vdash$ | 108        |          |  | _  |  |  | $\vdash$   |              | _        |  |
| <b>—</b> | 109        | H        |  | _  | _  | $\vdash$   | -  |              |          |  |
| <u> </u> | 110        | -        |  |  | _  | $\vdash$   |  |              | $\vdash$ |  |
| -        | 111        |          |  |  | -  | H  |  |              |          | _  |
| -        | 112        |          | -  |  |  | $\vdash$   |  | _            | -        |  |
|          | 113        | $\vdash$ |  |  |  | <u> </u>   |  |              | -        | _  |
| <u> </u> | 114        |          |  | $\vdash$   | $\vdash$   | ⊢  | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   |
| <b>—</b> | 115        | $\vdash$ | _  | -  |  | $\vdash$   | $\vdash$   | H            | $\vdash$ | $\vdash$   |
| -        |            | -        |  |  |  | -  |  |              |          | $\vdash$   |
|          | 116<br>117 | $\vdash$ | -  |  |  |  | $\vdash$   |              | _        | ⊢  |
|          |            | Н        |  | ⊢  |  | ⊢  | $\vdash$   |              | _        | -  |
| -        | 118        | _        |  |  |  | <u> </u>   |  |              |          | ├-   |
|          | 119        | Н        | _  | $\vdash$   |  |  | <u> </u>   |              |          | ├  |
|          | 120        |          |  | <u> </u>   |  |  |  |              |          | <u> </u>   |
| <u> </u> | 121        |          |  | _  |  | L  |  |              | _        | _  |
| <u> </u> | 122        | Щ        |  | $oxed{oxed}$                                     |  | <u> </u>   | <u> </u>   |              |          | _  |
| <u> </u> | 123        |          |  | L_   |  | L  | L  | _            |          | _  |
| <u> </u> | 124<br>125 | Щ        |  | _  | _  | _  | oxdot  |              | _        | <u> </u>   |
| <u></u>  | 125        | Ш        |  | L.,  |  |  | _  |              |          | <u> </u>   |
| <u></u>  | 126        | Ш        |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |  |  | <u> </u>   |              |          | <u> </u>   |
|          | 127<br>128 |          |  |  |  |  | L  |              |          | <u> </u>   |
| L        | 128        |          |  |  |  | L.   |  |              |          |  |
|          | 129        |          |  |  |  |  | <u> </u>   |              |          |  |
|          | 130        |          |  |  |  |  |  |              |          | L  |
|          | 131        |          |  |  |  |  | L  |              |          | L  |
|          | 132        |          |  |  |  |  | <u> </u>   |              |          | _  |
|          | 133        |          |  |  |  | L  | $\Box$   |              |          |  |
|          | 134        |          |  |  |  | L  |  |              |          |  |
|          | 135        |          |  |  |  |  |  |              |          |  |
|          | 136        |          |  |  |  |  |  |              |          |  |
|          | 137        |          |  |  |  |  |  |              |          |  |
|          | 138        |          |  |  |  |  |  |              |          |  |
|          | 139        |          |  |  |  |  |  |              |          |  |
|          | 140        |          |  |  |  |  |  |              |          |  |
|          | 141        |          |  |  |  |  |  |              |          |  |
|          | 142        |          |  |  |  |  |  |              |          |  |
|          | 143        |          |  |  |  |  |  |              |          |  |
|          | 144        | П        | _  |  |  |  |  |              |          |  |
|          | 145        | П        | $\vdash$   |  |  |  |  |              | П        | Г  |
|          | 146        |          | $\vdash$   | _  |  |  |  | Т            | Т        | _  |
|          | 147        | $\vdash$ |  | <del>                                     </del> |  |  | <del>                                     </del> |              | Н        | <u> </u>   |
| <b>—</b> | 148        |          | $\vdash$   | $\vdash$   | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <del> </del> |          | $\vdash$   |
| -        | 149        | $\vdash$ | -  | ┢  | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$   |
| -        | 150        |          | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |              | $\vdash$ | <del>                                     </del> |
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